

To Dean of
Medical Faculty № 3
Bukovinian State
Medical University,
Prof. Savka I.G.

**Short description of the discipline (abstract)
for the catalog of elective courses
"Clinical parasitology and tropical medicine"**

Specialty	– medicine
Educational level	– master's degree
Term of study (year)	– 6 th year
Form of study	– full-time
Department	– Infectious Diseases and Epidemiology

Summary of the course: The purpose of the course involves students' knowledge of the basics of tropical medicine in general, the etiology, the epidemic process of infectious tropical diseases, the factors influencing its development; clinical and pathogenetic aspects of various (typical, atypical) clinical forms of the most relevant tropical nosologies; as well as knowledge of methods of early diagnosis and effective treatment, taking into account the stage, severity, clinical form, the presence of complications; An important component of the purpose of the study is also a preventive component, which involves obtaining and using means of specific and nonspecific prevention of tropical infectious diseases in travelers and indigenous peoples.

One of the most important **tasks** is a deep understanding of etiological, epidemiological, clinical and pathogenetic features of tropical infectious diseases, the principles of early and rapid diagnosis, differentiation from other nosologies, and competent appointment of etiopathogenetic treatment and prevention in society. Therefore, theoretical knowledge, as well as the acquisition of practical skills for the timely detection of such patients with tropical dangerous diseases is appropriate for the implementation of effective preventive and anti-epidemic measures. The student must know the classification of tropical diseases and parasites, the peculiarities of their spread on continents, analyze syndromes and symptoms based on epidemiology to formulate a preliminary diagnosis, prescribe the necessary additional laboratory and instrumental studies, treat the most effective drugs taking into account the resistance of pathogens of tropical disease. **During practical sessions** of tropical infectious diseases, students study algorithms of clinical and laboratory diagnosis of the most common parasites and tropical infectious diseases, get acquainted with the organization of the department

of especially dangerous infections, cholera hospital on the basis of infectious diseases of Chernivtsi Regional Clinical Hospital.

Approximate list of training topics:

Thematic plan of practical sessions (30 hours):

Topic 1. General features of the pathology of the tropics; the prevalence and importance of infectious and parasitic diseases of the tropics. Malaria problems. Differential diagnosis. Treatment of malaria caused by resistant strains of pathogens. Modern prevention.

Topic 2. Features of diarrhea of travelers. Protozoan intestinal invasions: amebiasis, balantidiasis, giardiasis. Features of diarrhea of travelers. Protozoan intestinal invasions: amebiasis, balantidiasis, giardiasis. HIV / AIDS-indicating parasitic infestations and infections (hookworm disease, toxoplasmosis, strongyloidiasis, cryptosporidiosis).

Topic 3. Tropical helminthiasis. Schistosomiasis. General characteristics of filariasis. Onchocerciasis, loaosis, vuchereriosis, brugiosis. Principles of diagnosis, treatment and prevention of filariasis. Dracunculiasis.

Topic 4. Leishmaniasis. Trypanosomiasis. Arbovirus systemic fevers. Yellow fever. Chikungunya. Features of rickettsiosis: Rocky Mountain spotted fever, tsutsugamushi, endemic typhus, tick-borne typhus of North Asia. Q fever. Bartonellosis. Ehrlichiosis.

Topic 5. Test session.

The list of competencies that will be provided by the discipline "Clinical Parasitology and Tropical Medicine":

- integral: the ability to solve typical and complex specialized problems and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complex and uncertain conditions and requirements;
- general:
 1. Ability to abstract thinking, analysis and synthesis.
 2. Ability to learn and master modern knowledge.
 3. Ability to apply knowledge in practical situations.
 4. Knowledge and understanding of the subject area and understanding of professional activity.
 5. Ability to adapt and act in a new situation.
 6. Ability to make informed decisions.
 7. Ability to work in a team.
 8. Interpersonal skills.
 9. Ability to communicate in the state language both orally and in writing.
 10. Ability to communicate in a foreign language.
 11. Skills in the use of information and communication technologies.
 12. Definiteness and persistence in the tasks and responsibilities.
 13. Ability to act socially responsibly and consciously.
 14. Ability to act on the basis of ethical considerations (motives).

- special (professional, subject): the use of theoretical knowledge and practical skills in infectious diseases in providing medical care to the population within the competence of a general practitioner:
 1. Interpret the concepts of "tropical medicine", "tropical infections", "traveler's disease", "traveler's diarrhea", "parasitic invasions". Determine the place of subtropical, tropical infectious diseases in the system of infectious diseases and tropical medicine.
 2. Interpret epidemiological and pathogenetic patterns, features of the clinical course, diagnosis and prevention of parasites and tropical infectious diseases.
 3. Demonstrate skills of clinical and laboratory diagnosis of the most common parasites and tropical infectious diseases and their complications.
 4. Diagnose emergencies in parasitosis and tropical infectious diseases.
 5. Prescribe rational treatment to patients with the most common parasites and tropical infectious diseases at different stages of medical care.
 6. To determine the tactics of hospitalization and isolation of patients with the most common parasites and tropical infectious diseases.
 7. To determine treatment tactics in case of complications or emergencies in parasitosis and tropical infectious diseases.
 8. Plan the main preventive measures against parasites and tropical infectious diseases.
 9. Predict the effects of parasites and tropical infectious diseases on human health.

The list of scientific and pedagogical workers who will provide the discipline "Clinical Parasitology and Tropical Medicine":

1. Sorokhan V.D. - Associate Professor, Candidate of Medical Sciences.
2. Sidorchuk A.S. - Associate Professor, Candidate of Medical Sciences.
3. Sokolenko M.O. - Associate Professor, Candidate of Medical Sciences.
4. Andrushchak M.O. - Associate Professor, Candidate of Medical Sciences.
5. Balanyuk I.V. - Associate Professor, Candidate of Medical Sciences.

Chief of Department of
infectious diseases and epidemiology,
Doctor of Medicine, Professor

Moskaliuk V.D.